

EAST 9/980,913
LLM 7/14/05

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	30599	(neuron and NUrr1 and differentiat\$3) and ((fibroblast adj growth adj factor adj "8") or FGF8) or (basic adj fibroblast adj growth adj factor) or (bFGF) or ((epidermal adj growth adj factor) or Egf) or (((activat\$3 adj (retinoid adj x adj receptor)) or RxR) or (9-cis adj retinol))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 08:17
L2	30602	(neuron and NUrr1 and differentiat\$3) and ((fibroblast adj growth adj factor adj "8") or FGF8) or (basic adj fibroblast adj growth adj factor) or (bFGF) or ((epidermal adj growth adj factor) or Egf) or (((activat\$3 near (retinoid adj x adj receptor)) or RxR) or (9-cis adj retinol))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 08:18
L3	30602	(neuron and NUrr1 and differentiat\$3) and ((fibroblast adj growth adj factor adj "8!") or FGF8) or (basic adj fibroblast adj growth adj factor) or (bFGF) or ((epidermal adj growth adj factor) or Egf) or (((activat\$3 near (retinoid adj x! adj receptor)) or RxR) or (9-cis adj retinol))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 08:19
L4	69	(neuron and NUrr1 and differentiat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 08:40
L5	5	L4 and (astrocyte and (coculture or co-culture))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:48
L6	85	((neural adj stem adj cell) or (neural adj prognitor)) and astrocyte and (co-culture or coculture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:39
L7	4	L6 and NUrr1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 08:45

L8	62	type adj (I) adj astrocyte	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:43
L9	8	L8 and (coculture or co-culture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:43
L10	0	L9 and Nurr1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:43
L11	3	L9 and ((neural adj stem) or (neural adj progenitor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:44
L12	5	"6833269"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:45
L13	361	differentiat\$3 and (astrocyte and (coculture or co-culture))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:55
L14	113	L13 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:50
L15	14	L14 and neural adj (stem or progenitor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:50
L16	625	differentiat\$3 and (neurons and (coculture or co-culture))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:56
L17	187	differentiat\$3 and (neurons and (coculture or co-culture)) and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:56

L18	87	L17 and astrocytes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 11:45
L19	1	L17 and astrocytes and NUrr1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:57
L20	1	((mesencephalon or midbrain) near astrocyte) and differentiation and (neural adj (stem or progenitor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 11:47

Dialog 09/980, 913
LLM 7/13/05

/H = Help

/L = Logoff

/NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?

Terminal set to DLINK

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
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Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

? b biosci

```
14jul05 10:56:27 User276741 Session D15.1
    $0.00    0.206 DialUnits FileHomeBase
$0.00 Estimated cost FileHomeBase
$0.06 TELNET
$0.06 Estimated cost this search
$0.06 Estimated total session cost  0.206 DialUnits
```

SYSTEM:OS - DIALOG OneSearch

- File 5:Biosis Previews(R) 1969-2005/Jul W1
(c) 2005 BIOSIS
- File 24:CSA Life Sciences Abstracts 1966-2005/Jun
(c) 2005 CSA.
- File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jul W2
(c) 2005 Inst for Sci Info
- File 35:Dissertation Abs Online 1861-2005/Jun
(c) 2005 ProQuest Info&Learning
- File 40:Enviroline(R) 1975-2005/Jun
- File 50:CAB Abstracts 1972-2005/Jun
(c) 2005 CAB International
- File 65:Inside Conferences 1993-2005/Jul W2
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- File 71:ELSEVIER BIOBASE 1994-2005/Jul W1
(c) 2005 Elsevier Science B.V.
- File 73:EMBASE 1974-2005/Jul 13
(c) 2005 Elsevier Science B.V.
- File 91:MANTIS(TM) 1880-2005/Jun
2001 (c) Action Potential
- File 94:JICST-EPlus 1985-2005/May W4
(c)2005 Japan Science and Tech Corp(JST)

File 98:General Sci Abs/Full-Text 1984-2004/Dec
(c) 2005 The HW Wilson Co.
File 110:WasteInfo 1974-2002/Jul
(c) 2002 AEA Techn Env.
***File 110: This file is closed (no updates)**
File 135:NewsRx Weekly Reports 1995-2005/Jul W2
(c) 2005 NewsRx
***File 135: New newsletters are now added. See Help News135 for the complete list of newsletters.**
File 143:Biol. & Agric. Index 1983-2005/Jun
(c) 2005 The HW Wilson Co
File 144:Pascal 1973-2005/Jul W1
(c) 2005 INIST/CNRS
File 155:MEDLINE(R) 1951-2005/Jul W2
(c) format only 2005 The Dialog Corp.
File 164:Allied & Complementary Medicine 1984-2005/Jul
(c) 2005 BLHCIS
File 172:EMBASE Alert 2005/Jul 13
(c) 2005 Elsevier Science B.V.
File 185:Zoological Record Online(R) 1978-2005/Jul
(c) 2005 BIOSIS
File 357:Derwent Biotech Res. 1982-2005/Jul W3
(c) 2005 Thomson Derwent & ISI
File 369:New Scientist 1994-2005/May W2
(c) 2005 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
***File 370: This file is closed (no updates). Use File 47 for more current information.**
File 391:Beilstein Reactions 2005/Q2
(c) 2005 Beilstein GmbH
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 467:ExtraMED(tm) 2000/Dec
(c) 2001 Informania Ltd.
***File 467: F467 no longer updates; see Help News467.**

7.

Set	Items	Description
	---	-----
? s ((neural (w) stem) or (neural (w) progenitor) and differentiat?3) and (astrocyte and (co-culture or coculture))		
2430772	NEURAL	
833112	STEM	
10078	NEURAL(W) STEM	
2430772	NEURAL	
18	PROGNITOR	
1	NEURAL(W) PROGNITOR	
0	DIFFERENTIAT?3	
61929	ASTROCYTE	
1671	CO-CULTURE	
34642	COCULTURE	
S1	14	((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND DIFFERENTIAT?3) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
? s s1 not py>1999		
Processing		
Processed	10 of 26 files ...	
>>>One or more prefixes are unsupported		
>>> or undefined in one or more files.		
Completed processing all files		
14	S1	

24557655 PY>1999
S2 0 S1 NOT PY>1999
? s s1 and not py>1999
>>>Operator "NOT" in invalid position
? s s1 not py>2000
Sending Break...
?s s1 not py>2000
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
14 S1
20088570 PY>2000
S3 0 S1 NOT PY>2000
? s s1 and nurr1
14 S1
1467 NURR1
S4 0 S1 AND NURR1
? type s1/free/all

1/8/1 (Item 1 from file: 5)
0014288751 BIOSIS NO.: 200300247470
Olfactory bulb core is a rich source of neural progenitor and stem cells in adult rodent and human.
2003

1/8/2 (Item 1 from file: 34)
DIALOG(R) File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

13300593 Genuine Article#: 866YA Number of References: 24
Title: Neurite outgrowth from hippocampal neurons is promoted by choroid plexus ependymal cells in vitro (ABSTRACT AVAILABLE)
Publication date: 20040700
Journal Subject Category: CELL BIOLOGY; NEUROSCIENCES
Identifiers--KeyWord Plus(R): ADULT MAMMALIAN FOREBRAIN;
CENTRAL-NERVOUS-SYSTEM; NEURAL STEM -CELL; GROWTH-FACTOR;
SCHWANN-CELLS; SPINAL-CORD; SUBEPENDYMAL CELLS; LOCALIZATION;
EXPRESSION; ASTROCYTES

1/8/3 (Item 2 from file: 34)
DIALOG(R) File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

11466999 Genuine Article#: 655XF Number of References: 57
Title: Transgenic overexpression of BMP4 increases astrogial and decreases oligodendroglial lineage commitment (ABSTRACT AVAILABLE)
Publication date: 20030301
Journal Subject Category: DEVELOPMENTAL BIOLOGY
Descriptors--Author Keywords: BMP4 ; astrocyte ; oligodendrocyte ; radial glia ; stem cell ; gliogenesis ; brain development
Identifiers--KeyWord Plus(R): RADIAL GLIAL-CELLS; CILIARY NEUROTROPHIC FACTOR; CENTRAL-NERVOUS-SYSTEM; BONE MORPHOGENETIC PROTEINS; SERINE/THREONINE KINASE RECEPTORS; GLUTATHIONE-S-TRANSFERASE; FIBRILLARY ACIDIC PROTEIN; NEURAL STEM -CELLS; ADULT-RAT-BRAIN; PROGENITOR CELLS

1/8/4 (Item 1 from file: 73)
13016012 EMBASE No: 2005075886
Humoral and contact interactions in astroglia/stem cell co-cultures in the course of glia-induced neurogenesis

2005

1/8/5 (Item 2 from file: 73)
12387602 EMBASE No: 2003490423
Enhanced Induction of RPE Lineage Markers in Pluripotent Neural Stem Cells Engrafted into the Adult Rat Subretinal Space
2003

1/8/6 (Item 3 from file: 73)
12047872 EMBASE No: 2003159732
Olfactory bulb core is a rich source of neural progenitor and stem cells in adult rodent and human
12 MAY 2003

1/8/7 (Item 4 from file: 73)
12003234 EMBASE No: 2003114701
The effect of bone marrow stromal cells on neuronal differentiation of mesencephalic neural stem cells in Sprague-Dawley rats
04 APR 2003

1/8/8 (Item 5 from file: 73)
11585973 EMBASE No: 2002157604
Neural stem cells from adult hippocampus develop essential properties of functional CNS neurons
2002

1/8/9 (Item 1 from file: 135)
DIALOG(R) File 135:(c) 2005 NewsRx. All rts. reserv.

0000087408 (USE FORMAT 7 OR 9 FOR FULLTEXT)
BMP4 mediates astrocyte differentiation
WORD COUNT: 368
May 8, 2003 (20030508)

DESCRIPTORS: Northwestern University; Stem Cell Research; Cell Biology; Neuroscience; All News; Professional News; Hematology
SUBJECT HEADING: Stem Cell Research

1/8/10 (Item 1 from file: 155)
DIALOG(R) File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.
14995420 PMID: 12925733
Neuroectodermal differentiation from mouse multipotent adult progenitor cells.
Sep 30 2003
Tags: Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.
Descriptors: *Hematopoietic Stem Cells--cytology--CY; *Pluripotent Stem Cells--cytology--CY; Animals; Astrocytes--cytology--CY; Astrocytes--metabolism--ME; Base Sequence; Cell Differentiation; Cells, Cultured; Coculture Techniques; Culture Media, Conditioned; DNA, Complementary--genetics--GE; Dopamine--metabolism--ME; Ectoderm--cytology--CY; Ectoderm--metabolism--ME; Hematopoietic Stem Cells--metabolism--ME; Mice; Neurons

--cytology--CY; Neurons--metabolism--ME; Phenotype; Pluripotent Stem Cells
--metabolism--ME; RNA, Messenger--genetics--GE; RNA, Messenger--metabolism
--ME; Reverse Transcriptase Polymerase Chain Reaction; Serotonin
--metabolism--ME; Sodium Channels--metabolism--ME; gamma-Aminobutyric Acid
--metabolism--ME
CAS Registry No.: 0 (Culture Media, Conditioned); 0 (DNA,
Complementary); 0 (RNA, Messenger); 0 (Sodium Channels); 50-67-9
(Serotonin); 51-61-6 (Dopamine); 56-12-2 (gamma-Aminobutyric Acid)

1/8/11 (Item 2 from file: 155)

DIALOG(R) File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14878993 PMID: 12859339

The ablation of glial fibrillary acidic protein-positive cells from the adult central nervous system results in the loss of forebrain neural stem cells but not retinal stem cells.

Jul 2003

Tags: Research Support, Non-U.S. Gov't
Descriptors: *Central Nervous System--physiology--PH; *Glial Fibrillary Acidic Protein--physiology--PH; *Neurons--physiology--PH; *Prosencephalon --physiology--PH; *Retina--physiology--PH; *Stem Cells--physiology--PH; Animals; Antiviral Agents--pharmacology--PD; Cell Separation; Cells, Cultured; Central Nervous System--cytology--CY; Cerebral Ventricle --cytology--CY; Coculture Techniques; Dose-Response Relationship, Drug; Ganciclovir--pharmacology--PD; Glial Fibrillary Acidic Protein--genetics --GE; Immunohistochemistry; Mice; Mice, Transgenic; Prosencephalon --cytology--CY; Retina--cytology--CY; Reverse Transcriptase Polymerase Chain Reaction; Simplexvirus--enzymology--EN; Simplexvirus--genetics--GE
CAS Registry No.: 0 (Antiviral Agents); 0 (Glial Fibrillary Acidic Protein); 82410-32-0 (Ganciclovir)

1/8/12 (Item 3 from file: 155)

DIALOG(R) File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14803067 PMID: 12767487

Astrocyte -derived factors instruct differentiation of embryonic stem cells into neurons.

Jun 2003

Tags: Research Support, Non-U.S. Gov't
Descriptors: *Astrocytes--metabolism--ME; *Growth Substances--physiology --PH; *Neurons--cytology--CY; *Pluripotent Stem Cells--cytology--CY; Animals; Blotting, Western; Cell Differentiation--genetics--GE; Cell Differentiation--physiology--PH; Cells, Cultured; Coculture Techniques; Culture Media, Conditioned; Embryo; Fluorescent Antibody Technique; Gene Expression; Mice; Neurons--physiology--PH; Pluripotent Stem Cells --metabolism--ME; Primates; Reverse Transcriptase Polymerase Chain Reaction
CAS Registry No.: 0 (Culture Media, Conditioned); 0 (Growth Substances)

1/8/13 (Item 4 from file: 155)

DIALOG(R) File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14717549 PMID: 12662433

Fetal human hematopoietic stem cells can differentiate sequentially into neural stem cells and then astrocytes in vitro.

Feb 2003

Tags: Research Support, Non-U.S. Gov't

Descriptors: *Astrocytes--cytology--CY; *Hematopoietic Stem Cells --cytology--CY; *Nerve Tissue Proteins; *Neurons--cytology--CY; *Stem Cells --cytology--CY; *Transforming Growth Factor beta; Antigens, CD3 --biosynthesis--BI; Antigens, CD34--biosynthesis--BI; Astrocytes --metabolism--ME; Blotting, Western; Bone Morphogenetic Proteins --metabolism--ME; Cell Differentiation; Cell Division; Cells, Cultured; Coculture Techniques; Culture Media, Conditioned--pharmacology--PD; Flow Cytometry; Glycoproteins--biosynthesis--BI; Humans; Immunoblotting; Immunohistochemistry; Intermediate Filament Proteins--metabolism--ME; Neurons--metabolism--ME; Peptides; Phenotype; RNA, Messenger--metabolism --ME; Reverse Transcriptase Polymerase Chain Reaction; Time Factors
CAS Registry No.: 0 (AC133 antigen); 0 (Antigens, CD3); 0 (Antigens, CD34); 0 (Bone Morphogenetic Proteins); 0 (Culture Media, Conditioned); 0 (Glycoproteins); 0 (Intermediate Filament Proteins); 0 (Nerve Tissue Proteins); 0 (Peptides); 0 (RNA, Messenger); 0 (Transforming Growth Factor beta); 0 (bone morphogenetic protein 2); 0 (nestin)

1/8/14 (Item 1 from file: 357)
0320860 DBR Accession No.: 2003-22000
Making a more developmentally potent cell from a less developmentally potent cell for treating neurological or corporal deficit by contacting a less developmentally potent cell with substituted deoxynucleotide or deoxynucleoside - tissue engineering for neuron and astrocyte production for use in disease therapy and transplantation 2003
? s (neuron and differentiat?) and (astrocyte and (co-culture or coculture))
 386040 NEURON
 0 DIFFERENTIAT?
 61929 ASTROCYTE
 1671 CO-CULTURE
 34642 COCULTURE
S5 0 (NEURON AND DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
? s (neural (w) stem) or (neural (w) progenitor) and differentiat?) and (astrocyte and (co-culture or coculture))
>>>Unmatched parentheses
? s (neuron and differentiat?) and (astrocyte and (co-culture or coculture))
 386040 NEURON
 1886991 DIFFERENTIAT?
 61929 ASTROCYTE
 1671 CO-CULTURE
 34642 COCULTURE
S6 62 (NEURON AND DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
? s s6 not py>1999
Processed 20 of 26 files ...
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
Completed processing all files
 62 S6
 24557655 PY>1999
S7 25 S6 NOT PY>1999
? rd
>>>Duplicate detection is not supported for File 391.
>>>Records from unsupported files will be retained in the RD set.
...completed examining records
 S8 16 RD (unique items)
? type s8/ free all
>>>'ALL' not allowed as format type
? type s8/free/all

- 8/8/1 (Item 1 from file: 5)
0011949192 BIOSIS NO.: 199900208852
Functional synapses are formed between human NTera2 (NT2N, hNT) neurons grown on astrocytes
1999
- 8/8/2 (Item 2 from file: 5)
0011123465 BIOSIS NO.: 199799757525
Neuronal regulation of glutamate transporter subtype expression in astrocytes
1997
- 8/8/3 (Item 3 from file: 5)
0010616025 BIOSIS NO.: 199699250085
The LHRH-astroglial network of signals as a model to study neuroimmune interactions: Assessment of messenger systems and transduction mechanisms at cellular and molecular levels
1996
- 8/8/4 (Item 4 from file: 5)
0009289286 BIOSIS NO.: 199497310571
Astroglial differentiation is required for support of neurite outgrowth
1994
- 8/8/5 (Item 1 from file: 24)
DIALOG(R) File 24:(c) 2005 CSA. All rts. reserv.

0001997885 IP ACCESSION NO: 4535777
Neurons Induce GFAP Gene Promoter of Cultured Astrocytes From Transgenic Mice
PUBLICATION DATE: 1999

DESCRIPTORS: Neuronal-glial interactions; Astrocytes; Cerebrum; Glial fibrillary acidic protein; Genes; Promoters; Transgenic mice
SUBJ CATG: 11073, Glial cell biology and metabolism
- 8/8/6 (Item 1 from file: 34)
DIALOG(R) File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

07175701 Genuine Article#: 132PM Number of References: 27
Title: Astrocytes modulate nitric oxide production by microglial cells through secretion of serine and glycine (ABSTRACT AVAILABLE)
Publication date: 19981009
Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY; BIOPHYSICS
Identifiers--KeyWord Plus(R): EXTRACELLULAR CONCENTRATIONS; AMINO-ACIDS; BRAIN; DIFFERENTIATION; RAMIFICATION; MORPHOLOGY; GLUTAMATE; ASPARTATE; INDUCTION; ISCHEMIA
- 8/8/7 (Item 2 from file: 34)
DIALOG(R) File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

05158298 Genuine Article#: VE087 Number of References: 50
Title: EPIGENETIC FACTORS CONTROLLING THE DEVELOPMENT OF AVIAN PURKINJE

NEURONS (Abstract Available)
Journal Subject Category: NEUROSCIENCES
Descriptors--Author Keywords: AVIAN PURKINJE NEURON ; IN VITRO COCULTURE ; GRANULE CELL ; ASTROCYTE ; DEVELOPMENT
Identifiers--KeyWords Plus: CEREBELLAR GRANULE CELLS; CHICK-EMBRYO; RAT CEREBELLUM; REGIONAL DIFFERENCES; HIPPOCAMPAL-NEURONS; GALLUS-DOMESTICUS; IN-VITRO; DIFFERENTIATION; INVITRO; MOUSE
Research Fronts: 94-0726 001 (RAT CEREBELLAR CORTEX; GRANULE CELLS; ACTIVE MEMBRANE MODEL)

8/8/8 (Item 3 from file: 34)
DIALOG(R) File 34:(c) 2005 Inst for Sci Info. All rts. reserv.
04075093 Genuine Article#: RC348 Number of References: 18
Title: CULTURED RAT STRIATAL AND CORTICAL ASTROCYTES PROTECT MESENCEPHALIC DOPAMINERGIC-NEURONS AGAINST HYDROGEN-PEROXIDE TOXICITY INDEPENDENT OF THEIR EFFECT ON NEURONAL DEVELOPMENT (Abstract Available)
Journal Subject Category: NEUROSCIENCES
Descriptors--Author Keywords: DOPAMINERGIC NEURONS ; ASTROCYTES ; COCULTURE ; DOPAMINE ; OXIDATIVE STRESS ; NEUROTOXICITY ; NEUROPROTECTION
Identifiers--KeyWords Plus: NERVE GROWTH-FACTOR; PARKINSONS-DISEASE; GLUTATHIONE; DIFFERENTIATION; SURVIVAL; CELLS
Research Fronts: 93-0303 001 (RECEPTORS FOR NERVE GROWTH-FACTOR; NEUROTROPHIN-3 MESSENGER-RNA EXPRESSION; SENSORY NEURONS; NGF SURVIVAL RESPONSE; RAT PERIPHERAL TRIGEMINAL SYSTEM)

8/8/9 (Item 4 from file: 34)
DIALOG(R) File 34:(c) 2005 Inst for Sci Info. All rts. reserv.
03518308 Genuine Article#: PJ130 Number of References: 45
Title: ASTROCYTIC CONTRIBUTION TO FUNCTIONING SYNAPSE FORMATION ESTIMATED BY SPONTANEOUS NEURONAL INTRACELLULAR CA₂₊ OSCILLATIONS (Abstract Available)
Journal Subject Category: NEUROSCIENCES
Descriptors--Author Keywords: SYNAPSE FORMATION ; CA₂₊-OSCILLATION ; NEURON ; ASTROCYTE ; COCULTURE
Identifiers--KeyWords Plus: GLIA MATURATION FACTOR; PROTEIN-KINASE INHIBITOR; FIBROBLAST GROWTH-FACTOR; HIPPOCAMPAL-NEURONS; CORTICAL-NEURONS; CHONDROITIN SULFATE; NEUROTROPHIC ACTION; NEURITE EXTENSION; ADHESION MOLECULE; FACTOR-BETA
Research Fronts: 92-0902 001 (BASIC FIBROBLAST GROWTH-FACTOR; SURVIVAL OF SENSORY NEURONS INVITRO; CHOLINERGIC DIFFERENTIATION IN NEUROGENIC BASAL FOREBRAIN CULTURES)
92-1272 001 (EXPRESSION OF ADHESION MOLECULES; EPITHELIAL CADHERIN IN THE RAT EPIDIDYMIS; DEVELOPMENTAL REGULATION; CANCER CELL INVASION; HYALURONAN RECEPTOR)
92-1742 001 (CULTURED HIPPOCAMPAL-NEURONS; NEURITE GROWTH; PAF MOBILIZES INTRACELLULAR CA₂₊)
92-3553 001 (REGENERATION OF ADULT-RAT CNS AXONS; INJURED SPINAL-CORD; GOLDFISH OPTIC-NERVE; FETAL CELL GRAFTS; CULTURED NEURONS; NEURITE OUTGROWTH)
92-4483 001 (NEURAL CELL-ADHESION MOLECULE L1; IMMUNOGLOBULIN SUPERFAMILY; TISSUE EXPRESSION OF CHICKEN PECTORALIS M-PROTEIN)

8/8/10 (Item 5 from file: 34)
DIALOG(R) File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

03372695 Genuine Article#: PA953 Number of References: 88
Title: REGIONAL DIFFERENCES IN GLIAL-DERIVED FACTORS THAT PROMOTE DENDRITIC OUTGROWTH FROM MOUSE CORTICAL-NEURONS IN-VITRO (Abstract Available)
Journal Subject Category: NEUROSCIENCES
Descriptors--Author Keywords: ASTROCYTE ; AXON ; CORTEX DENDRITE ; DEVELOPMENT ; GLIA
Identifiers--KeyWords Plus: FIBROBLAST GROWTH-FACTOR; RAT SYMPATHETIC NEURONS; CENTRAL NERVOUS-SYSTEM; MICROTUBULE-ASSOCIATED PROTEIN-2; FACTOR RECEPTOR IMMUNOREACTIVITY; HIPPOCAMPAL-NEURONS; NEURITE OUTGROWTH; MESSENGER-RNA; BRAIN ASTROCYTES; CEREBRAL-CORTEX
Research Fronts: 92-0089 002 (BASIC FIBROBLAST GROWTH-FACTOR; TRANSMEMBRANE HEPARAN-SULFATE PROTEOGLYCANS; CYSTEINE-RICH RECEPTOR) 92-0870 001 (STEM-CELL FACTOR; C-KIT RECEPTOR; LIGAND EXPRESSION) 92-0902 001 (BASIC FIBROBLAST GROWTH-FACTOR; SURVIVAL OF SENSORY NEURONS INVITRO; CHOLINERGIC DIFFERENTIATION IN NEUROGENIC BASAL FOREBRAIN CULTURES) 92-1742 001 (CULTURED HIPPOCAMPAL-NEURONS; NEURITE GROWTH; PAF MOBILIZES INTRACELLULAR CA₂₊) 92-2572 001 (OLIGODENDROCYTE LINEAGE; INVITRO DIFFERENTIATION OF GLIAL PROGENITOR CELLS; BASIC FIBROBLAST GROWTH-FACTOR; RAT CNS CULTURES; TYPE-2 ASTROCYTE)

8/8/11 (Item 6 from file: 34)
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02995521 Genuine Article#: MY500 Number of References: 84
Title: CELL-CELL INTERACTIONS INFLUENCE SURVIVAL AND DIFFERENTIATION OF PURIFIED PURKINJE-CELLS IN-VITRO (Abstract Available)
Journal Subject Category: NEUROSCIENCES
Identifiers--KeyWords Plus: CENTRAL NERVOUS-SYSTEM; CEREBELLAR CORTEX; HIPPOCAMPAL-NEURONS; MOUSE CEREBELLUM; GROWTH-FACTOR; POSTNATAL-DEVELOPMENT; DENDRITIC DEVELOPMENT; NEURITE EXTENSION; RAT MOTONEURONS; MUTANT MOUSE
Research Fronts: 92-5099 002 (RAT CEREBELLAR CORTEX; DIFFERENTIAL MODULATION OF PURKINJE-CELL ACTIVITY; STOP SIGNAL FOR AFFERENT NEURITE EXTENSION INVITRO) 92-2572 001 (OLIGODENDROCYTE LINEAGE; INVITRO DIFFERENTIATION OF GLIAL PROGENITOR CELLS; BASIC FIBROBLAST GROWTH-FACTOR; RAT CNS CULTURES; TYPE-2 ASTROCYTE)

8/8/12 (Item 7 from file: 34)
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02695816 Genuine Article#: LW541 Number of References: 12
Title: NEUROTROPHIC ACTION OF GLIOSTATIN ON COCULTURED NEURONS WITH GLIAL-CELLS (Abstract Available)
Journal Subject Category: NEUROSCIENCES
Descriptors--Author Keywords: GLIOSTATIN ; NEUROTROPHIC FACTOR ; COCULTURE ; NEURON ; ASTROCYTE ; GLIAL DIFFERENTIATION
Identifiers--KeyWords Plus: GROWTH-FACTOR; BRAIN; ASTROCYTES; CULTURE
Research Fronts: 91-0307 003 (NERVE GROWTH-FACTOR RECEPTOR IMMUNOREACTIVITY; HIGH-AFFINITY NGF BINDING REQUIRES COEXPRESSION; CULTURED RAT EMBRYONIC CNS CELLS)

8/8/13 (Item 1 from file: 71)
01118536 1999082354

Neurons induce GFAP gene promoter of cultured astrocytes from transgenic mice

8/8/14 (Item 2 from file: 71)
00153130 94158063

Astrocytic contribution to functioning synapse formation estimated by spontaneous neuronal intracellular Casup 2^{sup} + oscillations

PUBLICATION DATE: 19940000

8/8/15 (Item 1 from file: 144)
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14063815 PASCAL No.: 99-0255336
Neurons induce GFAP gene promoter of cultured astrocytes from transgenic mice
1999

English Descriptors: Glial fibrillary acidic protein; Gene; Transcription promoter; **Neuron**; Transgenic animal; **Astrocyte**; In vitro; **Differentiation**; Cell cell interaction; Mouse

Broad Descriptors: Neuroglia; Rodentia; Mammalia; Vertebrata; Nevroglie; Rodentia; Mammalia; Vertebrata; Neuroglia; Rodentia; Mammalia; Vertebrata

French Descriptors: Proteine gliofibrillaire; Gene; Promoteur transcription; Neurone; Animal transgenique; **Astrocyte**; In vitro; Differentiation; Interaction cellulaire; Souris

Classification Codes: 002A25C

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8/8/16 (Item 1 from file: 155)
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10131438 PMID: 7681866

Ion channels in spinal cord astrocytes in vitro. III. Modulation of channel expression by coculture with neurons and neuron -conditioned medium.

Mar 1993

Tags: Female; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, Non-P.H.S.; Research Support, U.S. Gov't, P.H.S.

Descriptors: *Astrocytes--physiology--PH; *Ion Channels--physiology--PH; *Nerve Growth Factors--physiology--PH; *Neurons--physiology--PH; *Spinal Cord--physiology--PH; *Synaptic Transmission--physiology--PH; Animals; Cell **Differentiation**--physiology--PH; Cells, Cultured; Culture Media; Ganglia, Spinal--physiology--PH; Membrane Potentials--physiology--PH; Potassium Channels--physiology--PH; Rats; Rats, Sprague-Dawley; Rats, Wistar; Sodium Channels--physiology--PH

CAS Registry No.: 0 (Culture Media); 0 (Ion Channels); 0 (Nerve Growth Factors); 0 (Potassium Channels); 0 (Sodium Channels)
? s ((neural (w) stem) or (neural (w) progenitor) and differentiat?) and (astrocyte and (co-culture or coculture))

2430772 NEURAL

833112 STEM

10078 NEURAL(W) STEM

2430772 NEURAL

18 PROGNITOR
1 NEURAL (W) PROGNITOR
1886991 DIFFERENTIAT?
61929 ASTROCYTE
1671 CO-CULTURE
34642 COCULTURE
S9 14 ((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND
DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE OR
COCULTURE))

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...completed examining records

S10 13 RD (unique items)

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13 S10

175298 DOPAMINERGIC

S11 1 S10 AND DOPAMINERGIC

? type s11/free

11/8/1 (Item 1 from file: 155)

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14803067 PMID: 12767487

Astrocyte -derived factors instruct differentiation of embryonic stem cells into neurons.

Jun 2003

Tags: Research Support, Non-U.S. Gov't
Descriptors: *Astrocytes--metabolism--ME; *Growth Substances--physiology --PH; *Neurons--cytology--CY; *Pluripotent Stem Cells--cytology--CY; Animals; Blotting, Western; Cell Differentiation--genetics--GE; Cell Differentiation--physiology--PH; Cells, Cultured; **Coculture** Techniques; Culture Media, Conditioned; Embryo; Fluorescent Antibody Technique; Gene Expression; Mice; Neurons--physiology--PH; Pluripotent Stem Cells --metabolism--ME; Primates; Reverse Transcriptase Polymerase Chain Reaction
CAS Registry No.: 0 (Culture Media, Conditioned); 0 (Growth Substances)

? ds

Set	Items	Description
S1	14	((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
S2	0	S1 NOT PY>1999
S3	0	S1 NOT PY>2000
S4	0	S1 AND NURR1
S5	0	(NEURON AND DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
S6	62	(NEURON AND DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
S7	25	S6 NOT PY>1999
S8	16	RD (unique items)
S9	14	((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
S10	13	RD (unique items)
S11	1	S10 AND DOPAMINERGIC

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\$0.00 5 Type(s) in Format 6
\$0.00 5 Types
\$5.85 Estimated cost File5
\$1.40 0.226 DialUnits File24
\$0.00 1 Type(s) in Format 8
\$0.00 1 Types
\$1.40 Estimated cost File24
\$27.06 1.222 DialUnits File34
\$0.00 9 Type(s) in Format 8
\$0.00 9 Types
\$27.06 Estimated cost File34
\$0.43 0.104 DialUnits File35
\$0.43 Estimated cost File35
\$0.53 0.075 DialUnits File40
\$0.53 Estimated cost File40
\$1.31 0.286 DialUnits File50
\$1.31 Estimated cost File50
\$2.62 0.698 DialUnits File65
\$2.62 Estimated cost File65
\$3.70 0.422 DialUnits File71
\$0.00 2 Type(s) in Format 6
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\$3.70 Estimated cost File71
\$8.56 0.805 DialUnits File73
\$0.00 5 Type(s) in Format 6
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\$0.00 \$0.00 0.047 DialUnits File391
\$0.32 Estimated cost File391
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\$0.32 Estimated cost File434
\$0.32 \$0.32 0.050 DialUnits File467
\$4.53 Estimated cost File467
\$69.56 OneSearch, 26 files, 7.363 DialUnits FileOS
\$69.62 Estimated cost this search
\$69.62 Estimated total session cost 7.569 DialUnits

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#51	Search (mesencephalon or midbrain) and astrocyte and differentiation neuron	11:43:50	57
#50	Search mesencephalon or midbrain and astrocyte and differentiation neuron	11:42:12	44346
#49	Search "mesencephalon or midbrain" and astrocyte and differentiation neuron	11:42:04	50
#48	Search mesencephalon astrocyte and differentiation neuron	11:41:44	51
#47	Search mesencephalon astrocyte and differentiation	11:41:25	74
#46	Search mesencephalon astrocyte	11:41:15	408
#45	Search mesencephalon astrycyte	11:41:07	44340
#43	Search j neurosci[Jour] AND 16[volume] AND 2912 [page] AND 1996[pdat] AND liu[auth]	11:40:50	1
#41	Search " astrocyte" and neuron differentiation Field: All Fields, Limits: English, Review	11:19:18	22
#29	Search " astrocyte" and neuron differentiation Limits: English	11:18:45	275
#34	Search midbrain and astrocyte and neuron differentiation Limits: English	11:12:09	56
#33	Search midbrain and astrocyteand neuron differentiation Limits: English	11:11:03	811
#32	Search midbrain and astrocyte" and neuron differentiation Limits: English	11:10:59	56
#31	Search " midbrain astrocyte" and neuron differentiation Limits: English	11:10:47	56
#28	Search " type I astrocyte" and neuron differentiation Limits: English	11:08:08	0
#27	Search " type 1 astrocyte" and neuron differentiation Limits: English	11:07:56	3
#26	Search "astrocyte type 1" and neuron differentiation Limits: English	11:07:47	86
#25	Search astrocyte type 1 and neuron differentiation Limits: English	11:07:30	86

#20 Search astrocyte and neuron differentiation Fields, Limits: English	Field: All	11:01:04	849
#19 Search astrocyte and neuron differentiation		10:54:45	887
#18 Search astrocyte coculture and differentiation		10:49:52	96
#17 Search astrocyte coculture and neural stem differentiation		10:37:59	20
#13 Search astrocyte coculture and neural stem differentiation Limits: Review		10:37:55	0
#15 Search astrocyte and neural stem differentiation Limits: Review		10:36:38	14
#14 Search astrocyte co culture and neural stem differentiation Limits: Review		10:36:34	0
#12 Search astrocyte coculture and neuron differentiation Field: All Fields, Limits: Review		10:36:12	1
#9 Search astrocyte coculture and neuron differentiation		10:28:41	66
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#7 Search akerud		09:35:31	20
#6 Search snyder ey		09:35:11	73
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#4 Search perlmann t		09:28:45	62
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#1 Search "Cell transplantation"[Jour] AND 4[volume] AND 335[page] AND 1995[pdat] AND ptak[auth]		08:55:11	1

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